

BUYALOV, Nikolay Ivanovich, prof.; ZABARINSKIY, Pavel Petrovich, prof.;
~~SUKHAREV, G.M., prof., doktor geol.-miner.nauk, retsenzent;~~
PERSHINA, Ye.G., gornyy inzh., vedushchiy red.; FEDOTOVA, I.G.,
tekhn.red.

[Prospecting for oil and gas fields] Poiski i razvedka nefti-
nykh i gazovykh mestorozhdenii. Moskva, Gos.nauchno-tekhn.
izd-vo nef. i gorno-toplivnoi lit-ry, 1960. 450 p.

(MIRA 14:4)

(Petroleum geology)

(Gas, Natural--Geology)

~~BUYALOV, N.I.; VASIL'YEV, V.G.; YELIN, N.D.; YEROFEYEV, N.S.;~~
~~L'VOV, M.S.; KLESHCHEV, A.I.; KUDRYASHOVA, N.M.; SOKOLOV, V.L.~~

Method for evaluating natural gas and petroleum resources. Geol.
nefti i gaza 5 no. 1:14-18 Ja '61. (MIRA 14:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gaza i
iskusstvennogo zhidkogo topliva (for Vasil'yev, Yelin,
Yerofeyev L'vov, Kudryashova, Sokolov). 2. Vsesoyuznyy nauchno-
issledovatel'skiy geologo-razvedochnyy neftyanoy institut
(for Buyalov, Lkeshchev).
(Petroleum geology) (Gas, Natural-Geology)

BUYALOV, N.

"Geology, and oil and gas potentials of the Yakut A.S.S.R." by
G.D. Babaian and others. Reviewed by N. Buialov. Geol. nefti i
gaza 5 no. 2:52-54 F '61. (MIRA 14:2)

(Yakutia—Petroleum geology) (Yakutia—Gas, Natural—Geology)

(Barkhatov, G.V.) (Dobrov, A.K.) (Bondarenko, V.I.)

(Vasil'ev, V.G.) (Rebeliatskii, I.A.) (Nikolaevskii, A.A.)

(Tikhomirov, M.P.) (Chepikov, K.R.) (Cherskii, N.V.)

(Chishmarev, V.G.)

BUDNIKOV, N.P.; BUYALOV, N.I.; VASIL'YEV, V.G.; KORNEV, B.V.

Present status of methods for rating oil and gas test wells
in the U.S.S.R. and means for improving them. Geol. nefti i
gaza 5 no.7:1-7 J1 '61, (MIRA 14:9)

1. Ministerstvo geologii i okhrany neдр SSSR, Vsesoyuznyy
nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut
i Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnogo
gaza.

(Petroleum geology) (Gas, Natural—Geology)

BUYALOV, N.I.; VASIL'YEV, V.G.; KALININ, N.A.; SIMAKOV, S.N.

Classification of predicted oil and gas reserves and method of rating them. Geol. nefti i gaza 5 no.11:17-23 N '61.

(MIRA 14:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neft-yanoy institut; Vsesoyuznyy nauchno-issledovatel'skiy institut prirodnkh gazov; Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy geologorazvedochnyy institut.

(Petroleum geology) (Gas, Natural--Geology)

BUYALOV, N.I.

Method of calculating predicted gas and oil reserves and their
role in future planning. Razved. i okh. nedr 27 no.8:6-13 Ag '61.
(MIRA 16:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut, Moskva.
(Petroleum geology) (Gas, Natural--Geology)

AVROV, V.Ya.; BLINNIKOV, I.A.; BUYALOV, N.I.; VASIL'YEV, V.G.; ZUBOV, I.P.;
DIKENSHTeyN, G.Kh.; KALININ, N.A.; MAKSIMOV, S.P.; SIMAKOV, S.N.

Reconnaissance map of oil and gas reserves of the U.S.S.R. Geol.
nefti i gaza 7 no.6:1-8 Je '63. (MIRA 16:9)

1. Gosudarstvennyy geologicheskii komitet SSSR; Vsesoyuznyy na-
uchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut,
Moskva; Vsesoyuznyy nauchno-issledovatel'skiy institut prirod-
nykh gazov i Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy ge-
ologorazvedochnyy institut.

BUYALOV, N.I.; ZAKHAROV, Ye.V.

Basic characteristics of the relief of the present-day
surface of the basement of the U.S.S.R. in relation to an
evaluation of the prospects for finding oil and gas.
Sov. geol. 7 no.4:24-39 Ap'64. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut.

BUYALOV, N.I.; VASIL'YEV, V.G.; YELIN, N.D.

Basic results of prospecting for oil and gas in the U.S.S.R.
in the first four years of the seven-year plan. Neftegaz,
geol. i geofiz. no.43-13 '63 (MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
nertyanoy institut, Moskva, i Vsesoyuznyy nauchno-issledovatel'-
skiy institut prirodnogo gaza.

BUYALOV, N.I., prof., red.; GORELIK, Z.A., kand. geol.-miner. nauk,
red.

[Geology and oil and gas potentials in the Paleozoic sediments of the Pripet trough] Geologiya i neftenosnost' paleozoiskikh otlozhenii Pripetskoi vpadiny. Minsk, Nauka i tekhnika, 1964. 210 p. (MIRA 17:11)

1. Akademiya navuk BSSR. Minsk, Instytut gealogichnykh navuk.

BUYALOV, N.I.

Results of prospecting for oil and gas in 1963 and fundamental problems for 1964. Geol. i geofiz. no. 5:3-8 '64.

(MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

VYSOTSKIY, I.V.; BUYALOV, N.I.

Useful book. Geol. nef'ti i gaza 8 no.4:54-56 Ap '64.
(MIRA 17:6)

BUYALOV, N.I.; ZAKHAROV, Ye.V.

Using the volumetric method to estimate the expected oil reserves.
Geol. nefti i gaza 8 no.7:12-14 J1 '64.

(MIRA 17:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Moskva.

BUYALOV, H.I.

Geochemical study of the organic matter of sedimentary rocks in the
White Russian S.S.R. Dokl. AN BSSR 8 no.7:459-460 '64. (MIRA 17:10)

1. Laboratoriya geokhimicheskikh problem AN BSSR. Predstavleno
akademikom AN BSSR K.I. Lukashevym.

BUYALOV, N.I.; AVERKIN, V.A.

Efficiency of prospecting for oil and gas. Neftgaz. geol. i
geofiz. no.10:3-6 '64 (MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut, Moskva.

BUYALOV, N.I.

Criteria for predicting oil and gas potential. Neftgaz.geol. i
geofiz. no.12:3-7 '64. (MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut, Moskva.

BUYALOV, K.I.; VASIL'YEV, V.G.

Evaluating possible oil and gas reserves. Neftgaz.geol. i geofiz.
no.7:3-6 '65. (MIRA 18:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy
institut, Moskva, i Vsesoyuznyy nauchno-issledovatel'skiy institut
prirodnogo gaza.

LUKASHEV, K.I.; BUYALOV, N.I.

Results of the conference on the geochemistry of supergenesis. Sov.
geol. 8 no.4:148-150 Ap '65. (MIRA 18:7)

1. Laboratoriya geokhimicheskikh problem AN BSSR i Vsesoyuznyy nauchno-
issledovatel'skiy neftyanoy geologorazvedochnyy institut.

LUKASHEV, K.I. [Lukashou, K.I.]; BUYALOV, N.I. [Buialau, M.I.]

Oil and gas potentials of the territory of the White
Russian S.S.R. Vestsi AN BSSR.Ser.khim.nav. no.2:67-78
'65.

(MIRA 18:12)

BUYALOV, N.I.; ZAKHAROV, Ye.V.

Structure of the present-day surface of the basement of the U.S.S.R.
in connection with the isolation and hypothetical evaluation of oil-
and gas-bearing basins. Dokl. AN SSSR 9 no.1:42-43 Ja '65.

(MIRA 18:70)

1. Vsesoyuznyy nauchno-issledovatel'skiy neftyanov geologorazvedchnyy
institut.

BUYALOV, N.I.; ZAKHAROV, Ye.V.

More exact representation of the method recommended for evaluating possible oil and gas reserves of the subgroup D₁. Neftegaz. geol. i geofiz. no.11:25-28 '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

BUYALOV, N.I.

Significance of geotectonic elements in the distribution of
the potential resources of oil and gas in the U.S.S.R.
Dokl. AN BSSR 9 no. 5:325-327 My '65 (MIRA 19:1)

1. Laboratoriya geokhimicheskikh problem AN BSSR. Submitted
February 15, 1965.

VIKTOROV, A.M.; IVANOV, N.N., prof., retsenzent; FOLOSIN-NIKITIN,
S.M., dots., retsenzent; BUYALOV, S.I., dots., retsenzent;
BELYAKOVA, Ye.V., red.

[Procedures in planning and working construction quarries]
Priemy proektirovaniia i razrabotki stroitel'nykh kar'erov.
Moskva, Vysshaia shkola, 1964. 154 p. (MIRA 17:9)

BUYAL'SKIY, G.; ANDRIYEVSKIY, V.; GAVRYLOV, I., inzh.; STESHENKO, M.;
SIDORCHUK, I.

Outstanding workers. Avt. transp. 43 no.8:6 Ag '65.
(MIRA 18:9)

BUYANIN, P., ~~ma~~ ~~shakht~~ kombayna

Standing watch on the eve of the Congress. Ser. ~~shakht~~. 10
no. 10:18 0 '61. (MIRA 14:12)

1. Partiyyny gruppovoy organizator shakhty "Chertinskaya-1"
tresta Belovugol'.
(Kuznetsk Basin---Coal miners)

BUYANKOV, L.I., inzh.

Automatic interlock of the differential gear of a wheeled tractor.
Trakt. i sel'khoz mash. 32 no. 12:16-17 D '62. (MIRA 16:3)

1. Lipetskiy traktorny zavod.
(Tractors—Transmission devices)

BUYANKOV, L.I., inzh.

Automatic blocking of the differential gear of a wheeled tractor.
Trakt. i sel'khoz mash. 33 no.12:10-11 D 63. (MIRA 17:2)

1. Lipetskiy traktorny zavod.

BUYANKOV, L.I., inzh.

Effective method of increasing the efficiency of wheeled tractors.
Trakt. i sel'khoz mash. no.8:13-14 Ag '64.

(MIRA 17:11)

1. Lipetskiy traktorny zavod.

MIROSHNICHENKO, K.G.; BUYANKOVA, R.V.

Disturbances in the vernalization process of winter wheat. Bot. zhur.
45 no.11:1653-1656 N '60. (MIRA 13:11)

1. Kurskiy gosudarstvennyy pedagogicheskiy institut.
(Wheat): (Vernalization)

.BUYANOV, A., inzh.

Free radicals. Tekh.mol. 28 no.8:37-39 '60. (MIRA 13:9)
(Radicals (Chemistry))

BUYANOV, A.

Descendants of phenols: IUn.tekh. 3 no.10:40-42 0 '58.
(Phenol condensation products) (MIRA 11:11)

S/029/60/000/008/005/005/XX
B013/B067

AUTHOR: Buyanov, A., Engineer

TITLE: Free Radicals 1

PERIODICAL: Tekhnika molodezhi, 1960, No. 8, pp. 37 - 39

TEXT: In this paper, the author reports on self-propagating chemical reactions and on papers dealing with their investigation. Self-propagating chemical reactions in gases were studied at the Institut khimicheskoy fiziki Akademii nauk SSSR (Institute of Chemical Physics of the Academy of Sciences USSR) under the supervision of Academician N. N. Semenov and N. M. Emanuel, Corresponding Member of the AS USSR. A group of scientists of the Gor'kovskiy gosudarstvennyy universitet (Gor'kiy State University) under the supervision of Professor G. A. Razuvaev studied self-propagating chemical reactions in solutions. They explain the transition from a practically inert system to a violent chemical reaction by the formation of free radicals under the action of light or heat on the reaction mass. The degree of participation of these short-lived but chemically very active particles determines the character of the process. Rules governing

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Free Radicals

S/029/60/000/008/005/005/XX
B013/B067

most important chemical phenomena could be explained by the branched chain reactions observed by N. N. Semenov. In 1940, Academician Ya. B. Zel'dovich and Academician Yu. B. Khariton for the first time used methods of calculating chemical chain reactions for calculating uranium fission in atomic piles. Investigations made under the supervision of Professor A. B. Nalbandyan contributed to the development of a new efficient method of producing formaldehyde by direct oxidation of methane with atmospheric oxygen. By assuming that free radicals influence the development of malignant tumors, N. M. Emanuel' and L. P. Lipchina, Doctor of Biological Sciences, succeeded in finding a possibility of inhibiting or cure leukemia in mice. In 1956, Academician N. N. Semenov was awarded the Nobel Prize for his research work on the mechanism of chemical chain reactions. N. M. Emanuel' suggested a special method of producing valuable oxygen-containing products. N. M. Emanuel' was awarded the Lenin Prize for developing new principles in the field of stimulation of chain reactions. Professor Razuvayev studied the behavior of free radicals by means of tagged atoms, and demonstrated that they are extremely reactive. Besides, he discovered a series of new chain reactions in which free radicals take part. For his papers, which are of great practical value, Professor

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Free Radicals

S/029/60/000/008/005/005/XX
B013/B067

G. A. Razuvayev was awarded the Lenin Prize. Furthermore, the author describes the efforts made by scientists to extend the life-time of free radicals. In this connection, he discusses the method of freezing free radicals developed by American scientists in 1954. At present, this method is being used to produce atomic nitrogen, oxygen, and hydrogen, as well as simple hydrocarbon radicals. In conclusion, the author describes one of the new trends, in the development of which free radicals play an important part, i.e., the production of fuel elements. The text is illustrated by figures on the colored insert. There are 4 figures.



Card 3/3

BUYANOV, A.

Studying the stability of pork fat. Mias. ind. SSSR 29 no.1:47-52
'58. (MIRA 11:3)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy pro-
myshlennosti.

(Pork) (Oils and fats, Edible)

BUYANOV, A.A.

INGENIERO, A.A. BUYANOV

Vital problem in planning and building houses for the production of retted flax on an industrial scale. Tekst. zap. 15 no. 3: 7-9 p. 1961. (1961, 1961)

1. Inzhener Gosudarstvennogo proyektного instituta No.2.
(Flax) (Industrial buildings)

BLCSHTEYN, I.I., kand. tekhn. nauk; BUYANOV, A.A., inzh.; VOLKOV, Ye.N., inzh.

Device for testing and automatic control of the viscosity of
lacquer and paints. Der. prom. 14 no.9:22-23 S '65.

(MIRA 18:12;

BEKASOV, L.S., inzh.; ZAMEKHOVSKIY, G.P., inzh.

Machine for the combustion of sawdust in a suspended state.

Def. patent 14 no.10430 0 '65.

(NDR 18-12)

BUYANOV, A. F.

DECEASED

1963/1

c. 1962

SYNTHETICS

BUYANOV, A.

"The Energy of Microbas," Tekh. Molod., No.6, 1950

BUYANOV, A. F.

"Atomic Energy," Tekh. molod., No.1, 1952

BUYANOV, A.

"Energy of the Atom Nucleus," Tekh. molod., No.2, 1952

F.
BUYANOV, A.; MAKSIMOVA, N., otv.red.; LEVENSHTEYN, G., otv.red.;
KUTUZOVA, M., tekhn.red.

[Miraculous atom] Chudesnyi atom. Moskva, Gos.izd-vo
detskoi lit-ry, 1953. 204 p. (MIRA 12:9)
(Chemistry)

BUYANOV, A.

Chudesnyi atom. Rasskazy ob uglerode [The wonderful atom; stories about carbon]. Moskva, Detgiz, [1953?]. 208 p.

SO: Monthly List of Russian Accessions, Vol. 7 No. 2 May 1954.

BUYANOV, A., inzhener.

Development of drugs. Tekh. molod. 21 no.6:30-33 Je '53. (MLRA 6:6)
(Chemistry, Medical and pharmaceutical)

BUYANOV, A. (Engineer)

"Storehouse of Atomic Wealth," Sovetskiy VOIN, No 6, 25 March 1954

It is an elementary dissertation in the simplest of language on the subject of atomic energy, giving definition of the simplest and most elemental terms of energy such as electron, proton, and neutron. The second half of the article deals with the structure of the atom itself.

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BUYANOV, A. (Engr.)

"Nuclear Energy", from The Soviet Soldier, No 14, 25 July 54. A semi-monthly journal of the Chief Political Directorate, Ministry of Defense, USSR.

Translation - D 145219, 1954

BUYANOV, A.(Engineer)

Subject : USSR/Nuclear Physics AID - P-50
Card : 1/1
Author : Buyanov, A., Engineer
Title : From Water Mill to Atomic Engine
Periodical : Vest. vozd. flota 3, 71 - 75, March 1954
Abstract : This is a review of a book: "From Water Mill to Atomic Engine", by Kanayev, A. A., which describes the utilization of energy (heat, hydro) and gives a sketch of research in atomic energy in the USSR.
Institution : None
Submitted : No date

BUVYANNOV, A.

KHOLODILIN, S.N. (g. Voroshilovgrad).

Facts should not be distorted; about A. Bulanov's article
"Energy of the atomic nucleus" in "Tekhnika - molodezhi,"
1952, no.1-3. Fiz. v shkole 14 no.3:79-83 My-Je '54.(MLRA 7:7)
(Atomic energy--Study and teaching)

BUYANOV, Aleksandr Fedorovich.

[Atomic energy] Atomnaia energiya. Moskva, Moskovskii rabochii.
1955. 156 p. (MLRA 8:12)
(Atomic power)

BUYANOV, A., inzhener.
~~XXXXXXXXXXXXXXXXXXXX~~

First in the world. Voenn. 31 no.12:11-13 D '55. (MLRA 9:5)
(Atomic power industry)

BUYANOV, Aleksandr Fedorovich; SKORUBKSYA, I.N., redaktor; RAKOV, S.I.
tekhnicheskiiy redaktor.

[The chemistry of fertility] Khimiia plodorodiia. [Moskva] Izd-vo
VTsSPS Profizdat, 1956. 95 p. (MLRA 10:6)
(Agricultural chemistry)

BUYANOV, A.; KUROCKIN, F. [translator]; PIL'NEN'KIY, A., veduchiy redaktor;
NOVIK, O., tekhnichniy redaktor

[Atomic energy. Translated from the Russian] Atomna energiya.
Pereklad z rosiis'koho vydannia. Kyiv, Derzh. vyd-vo tekhnichnoi
lit-ry, URSR, 1956. 146 p. (MLRA 10:2)
(Atomic energy)

BUYANOV, A., inzhener.

Creations of human hands and brains. Tekh.mol. 24 no.11:30-32
N '56. (MLBA 9:12)
(Plastics)

BUYANOV, A., inzhener.

~~Atomic power industry in the sixth five-year plan.~~

Atomic power industry in the sixth five-year plan. Voen.znan.

31 no.6:2-3 Je '56.

(MLRA 9:10)

(Atomic power industry)

BUYANOV, Aleksandr Fedorovich

BOLKHOVITINOV, Viktor Nikolayevich; BUYANOV, Aleksandr Fedorovich;
ZAKHARCHENKO, Vasilii Dmitriyevich; OSTROUMOV, Georgiy Nikolayevich;
ORLOV, V., red.; MOROZOV, S., red.; PEKELIS, V., red.; YEGOROVA, I.,
tekhn.red.

[Stories from the history of Russian science and technology]
Rasskazy iz istorii russkoi nauki i tekhniki. Pod obshchei red.
V.Orlova. Moskva, Izd-vo TsK VLKSM "Molodaia gvardiia," 1957.
589 p. (MIRA 11:1)

(Science--History) (Technology--History)

BUYANOV, A., inzhener.

"Chemistry and agriculture" by S. Vol'fkovich. Reviewed by A. Buianov.
Tekh. mol. 25 no.3:30 Mr '57. (MIRA 10:6)
(Agricultural chemistry) (Vol'fkovich, S.)

BUYANOV, A., inzh.

"Artificial earth's satellite." Reviewed by A. Buyanov. Tekh. mol.
25 no.9:38-39 S '57. (MIRA 10:9)
(Space stations)

BUYANOV, A.

BUYANOV, A.

Atoms for peace. Tekh.mol. 25 no.10:25-28 0 '57.
(Atomic power)

(MIRA 10:10)

AUTHOR: Buyanov, A., Engineer 29-4-8/20
TITLE: Omnipotence^{of} Chemistry (Vsemogushchestvo khimii)
PERIODICAL: Tekhnika Molodezhi, 1958, Nr 4, pp. 14-17 (USSR)
ABSTRACT: We are living in the age of chemistry, the author writes. Chemists are the most clever master-specialists. The molecules are obedient particles in their hands. The nature often sets very difficult problems to men. The most precious metals and minerals e.g. occur only in very small quantities in the terrestrial crust. One ton copper ore e.g. contains only some kilograms of pure copper. The production is difficult. The rocks containing rare metals distinguish however by their structure, form of crystals, color, brightness, solidity, specific weight and numerous other physical properties, -yet this alone does not facilitate their separation from the mother-rock. The chemists found busy assistants, viz. the molecules. The Soviet scientists A. N. Frimkin, P. A. Rebinder and others achieved much in this field. The molecules help men in the most various fields of engineering. - Fats are the most important and most valuable food. More than half (53%) of all animal and vegetal fats in the whole world are used each year

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Omnipotence Chemistry

29-4-8/20

for technical purposes. More than a half (60%) of that half is used in turn for the manufacture of soap and washing agents. It was found that fats themselves are not required for the manufacture of soap. Only the fat acids contained in fat are required. The chemists are able to obtain them now from the waste of petroleum- and coke-chemical industry. They also examined the consumption of fat acids with the process of washing. The Soviet specialist D. A. Rozhdestvenskiy found out that the major part of the soap is lost by secondary reactions. A great disadvantage of the washing-process was discovered: Salts forming insoluble compounds, hindering the purification process, oxidizing and destroying the tissue, are contained in the water, especially in "hard" water. The secret of the cleaning capability of soap was thus discovered and synthetic agents were produced for its improvement. - Vitamins play an important rôle in the life of men and animals. The most important vital processes depend on them: Metabolism, function of the organs of sense, the nervous system, the formation of new substances, the growth, the multiplication, and many others. Approximately 20 vitamins are known at present. Metabolism depends on the immediate cooperation of ferments and vitamins.

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of
Omnipotence[^] Chemistry

29-4-8/20

Ferments are more complicated than vitamins. They are vital and serve for the conversion of the substances in the living organism. The major part of the ferments is formed by the action of vitamins. N. D. Zelinskiy, Member of the Academy, said in 1920 that the vitamins are the building material for the ferments. Amongst vitamins there is a number of organic acids which serve for fighting various diseases; the deficiency of one of these acids may cause certain diseases. Each vitamin fulfils its proper, strictly defined task within the organism. Only recently, experts were still of opinion that vitamins should be taken only in the case of illness. This has meanwhile turned out to be wrong, since they also serve for preserving health. They are indispensable for both young and old organisms. The author concluded his article with the words that he pointed out only a fraction of the practical applications of chemistry. Achievements in this field are innumerable.

AVAILABLE: Library of Congress
1. Chemistry

Card 3/3

AUTHOR: Buyanov, A., Engineer

SOV/29-58-11-27/28

TITLE: All the World is Represented at the Heyzel Park (Ves'mir v parke Kheysel')

PERIODICAL: Tekhnika molodezhi, 1958, Nr 11, pp 37-39 (USSR)

ABSTRACT: This is a report on the Brussels World Fair. Complying with the wishes of numerous readers, the editors of "Tekhnika molodezhi" report in this issue on the development of atomic power engineering in Great Britain, on the Atomium, the Belgian pavilion, the French main pavilion, and the city of the future - the city of the year 2000. There are 9 figures.

Card 1/1

BUYAKOV, A., inzh.

~~Palace of Science. Tekh.mol. 26 no.9:24-25 and 30 '58. (MIRA 11:10)~~

1. Spetsial'nyy korrespondent redaktsii zhurnala "Tekhnika molodezhi."
(Brussels--Exhibitions)

BUYANOV, A., inzh.

гос. науч. центр информ. физики

Route to the stars, Voen. ozn., 3⁴ no.1:18-20 Ja '58. (MIRA 11:2)
(Artificial satellites)

21(1,4)

PHASE I BOOK EXPLOITATION

SOV/3102

Buyanov, Aleksandr Fedorovich

Upravlyayemyy elektron (Guided Electron) Moscow, Profizdat, 1959.
138 p. 10,500 copies printed.

Scientific Ed.: V. G. Mavrodiadi, Engineer; Ed.: I.N. Skorubskaya;
Tech. Ed.: N. D. Shadrina.

PURPOSE: This book is intended mainly for the general public, and may be used to acquaint presecondary school students with physical processes and phenomena involving electrons.

COVERAGE: The book reviews atomic structure and the origin of electrons, surveys methods and manifestations of electron control, gives examples of electron phenomena in nature, and finally, outlines the role of electrons in the conquest of space. It should be noted that some of the titles are figurative, e. g. "Map of the Atomic World" refers to Mendeleyev's Periodic Table. No personalities are mentioned. There are no references.

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SOV/3102

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AVAILABLE: Library of Congress (TK7835.B85)		

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TM/mmh
2-15-60

BUYANOV, Aleksandr Fedorovich; AYDINOV, G., red.; YEGOROVA, I., tekhn.red.

[Masters of atoms] Vlasteliny atomov. Moskva, Izd-vo TsK VLSM
"Molodaiia gvardiia," 1959. 237 p. (MIRA 12:9)
(Chemical industries)

BUYANOV, A.F.

BASE I BOOK EXPLOITATION

SOV/3949

yanov, Aleksandr Fedorovich, Engineer

Materialy nastoyashchego i budushchego (Materials of the Present and Future)
Moscow, Voenizdat, 1959. 240 p. (Series: Nauchno-populyarnaya biblioteka)
No. of copies printed not given.

Ed.: Ya. M. Kader; Consultants of the Publishing House: P. I. Zakharchenko,
Engineer, L. M. Pesin, Candidate of Technical Sciences, A. F. Moiseyev,
Candidate of Technical Sciences, and G. A. Finger, Engineer; Tech. Ed.:
M. P. Zudina.

PURPOSE: This book is intended for the general reader interested in chemistry
and the synthetics and plastics industries.

COVERAGE: This popularly written book discusses developments in the chemical
industry of the USSR which have made possible the production of numerous
synthetics and plastics. The production of artificial fiber, silk, wool, fur,
etc. is described. The author enumerates the products obtained through the
conversion of petroleum, natural gas, and cellulose. In a section on

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SOV/3949

elastic materials he discusses the properties of natural and synthetic rubber. The development of "askapon", a new, solid, highly-dielectric material, by L. T. Ponomarev is noted. The author also describes a technique developed by I. V. Gvatsenshchikov of increasing optical transmission of lenses by coating them with a thin film to reduce light reflection. The contributions of N. D. Zelinskiy, A. Ye. Favorovskiy, S. B. Lebedev, A. N. Bakh, A. Ye. Arbuzov, A. N. Nesmeyanov, K. A. Adrianov, G. S. Petrov, S. S. Nesmeyanov, and N. N. Semenov are mentioned. There are 40 Soviet references.

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BUYANOV, Aleksandr Fedorovich; FEDCHENKO, V., red.

[Masters of the atoms] Vlasteliny atomov. Moskva, Molo-
daia gvardiia, 1962. 237 p. (MIRA 17:8)

38153. BUYANOV, A. I.

Metody i opyt standartizatsii vybrakovochnykh razmerov detaley
(sel'skokhozyaystvennykh mashin). Trydy Bessyuz. nauch.-issled.
in-ta mekhanizatsii sel. khoz-va, t. XII, 1949, s. 186-231

BUYANOV, A. I.

"Achievements of Science Should be Incorporated into Agricultural Production,"
Dost. sel'khoz., No.7, 1952

BUYANOV, A. [I.]

Agricultural machinery

Work of the Institute for the Mechanization of Agriculture in 1952. MTS12 No.1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 195²~~7~~, Uncl.

KORBUT, L.A.; BUYANOV, A.I.; SVIRSHCHEVSKIY [deceased]; KALASHNIKOV, P.A.,
redaktor; KUCHUMOV, P.S.; NAUMOV, V.I., redaktor; UDALOV, A.G.,
tekhnicheskiiy redaktor.

[Organizational and technical specifications for tractor work in
machine-tractor stations] Organizatsionno-tekhnicheskie pravila
proizvodstva traktornykh rabot v mashinno-trakhtornykh stantsiiakh.
Izd. 2oe, perer. i dop. Moskva, Izd-vo Ministerstva sel'skogo
Khoziaistva SSSR, 1955. 336 p. (MLRA 944)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye mashinno-trakhtornykh
stantsii i mekhanizatsii. 2. Zamestitel' ministra sel'skogo khozyaystva
SSSR (for Kuchumov).

(Machine-tractor stations)

BUYANOV, A.I., kand.tekhn.nauk

Using combines for picking and shelling corn in a single operation.
Mekh. i elek. sots. sel'khoz. 16 no.4:26-28 '58. (MIRA 11:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii
sel'skogo khozyaystva.
(Corn (Maize)--Harvesting) (Combines (Agricultural machinery))

BUYANOV, A.I.

What the agricultural machinery builders expect from agricultural science. Trakt. i sel'khoz mash. 32 no.10:14-15 0 '62.

(MIRA 15:9)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennogo mashinostroyeniya.

(Agricultural machinery)

BUYANOV, A.I., ~~Kand.~~ tekhn. nauk

Characteristics of corn ears and operating conditions of
earcorn cleaning apparatus. Trakt. i sel'khoz mash. 33 no.10:
21-25 0 '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'sko-
khozyaystvennogo mashinostroyeniya.

BUYANOV, A.I., kand. tekhn. nauk

Graphic method of calculating the efficient performance of
corn husking rolls. Trakt. i sel'khoz mash. no. 6:28-31 Je¹64
(MIRA 17:7)

BUYANOV, A.I.

Basic trends in the work on new agricultural machinery in the coming years. Trakt. i sel'khoz mash. no.12:3-5 D '64

(MIRA 18:2)

1. Direktor Vsesoyuznogo nauchno-issledovatel'skogo instituta sel'skokhozyaystvennogo mashinostroyeniya.

BUYANOV, A.I., kand.tekhn.nauk

Method of determining optimal kinematic systems for the clamping
devices of corn husking apparatus. Trakt. i sel'khoz mash. no.2:19-
21 F '65. (MIRA 18:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyayst-
vennogo mashinostroyeniya.

BUYANOV, A.I., kand. tekhn. nauk

Results of testing machines for handling mineral fertilizers. Trakt.
i sel'khoz mash. no. ~~117-19-18-185~~ (MIRA 18:5).

ZHALIMBETOV, S.Zh.; ENGEL', G.L.; KANAKI, V.K.; BUYANOV, A.N.

Properties of cast iron with spheroidal graphite modified
by a mixture of magnesium chloride and calcium silicon.
Lit. proizv. no.114-7 N '64. (MIRA 18:8)

RIYANOV, A.S., Cand Tech Sci -- (diss) "Study of the effect of the conditions of preparation of raw fat and melting ^{up} on the properties of the fat obtained ^{ad}." Mos, 1958, 16 pp (Min of Higher Education. Mos Tech Inst of Meat and Dairy Industry) 150 copies (KL, 27-58, 106)

- 87 -

BUYANOV, B. B.

PHASE I BOOK EXPLOITATION

SOV/6012

Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

Avtomaticheskoye regulirovaniye i upravleniye (Automatic Regulation and Control) Moscow, Izd-vo AN SSSR, 1962. 526 p. Errata slip inserted. 9000 copies printed.

Resp. Ed.: Ya. Z. Tsypkin, Professor, Doctor of Technical Sciences;
Ed. of Publishing House: Ye. N. Grigor'yev; Tech. Ed.: I. N. Dorokhina.

PURPOSE: This book is intended for scientific research workers and engineers concerned with automation.

COVERAGE: The book is a collection of articles consisting of papers delivered at the 7th Conference of Junior Scientists of the Institute of Automation and Telemekhanics, Academy of Sciences USSR, held in March 1960. A wide range of scientific and technical questions relating to automatic regulation and control is covered.

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Automatic Regulation (Cont.)

SOV/6012

The articles are organized in seven sections, including automatic control systems, automatic process control, computing and decision-making devices, automation components and devices, statistical methods in automation, theory of relay circuits and finite automatic systems, and automated electric drives. No personalities are mentioned. References are given at the end of each article.

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Automatic Regulation (Cont.)

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ACC NR: AP6024367

SOURCE CODE: UR/0280/66/000/002/0086/0093

AUTHOR: Buyanov, B. B. ^(Moscow) Domanishchkiy, S. M. ^(Moscow); Ozerney, V. M. ^(Moscow)

ORG: none

TITLE: Construction of tests for the logic circuits synthesized from monofunctional elements

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 2, 1966, 86-93

TOPIC TAGS: logic design, logic circuit, mathematic operator, test monitoring

ABSTRACT: Tests of this kind are designed to verify the functioning of logic (m, 1)-terminal networks synthesized from monofunctional logic elements realizing the negation of the disjunction or conjunction of many variables. These tests are constructed on the premise that the following factors are known: the structure of the logic circuit, the various possible malfunctions in each element of the ensemble used to design the logic circuit. The circuit is tested by inserting logic variables into the ensemble inputs and verifying the state of the output. A subset of ensembles of logic variables may be used as a test of this kind if the correct functioning of the network with respect to this subset is a sufficient condition for the correct functioning of the circuit with respect to the entire set of input ensembles. The length L of the

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ACC NR: AP6024367

test is the number of ensembles entering in the test. Thus, in the operator describing the performance of a n -input logic element realizing the negation of the disjunction of n variables is denoted as $N_n(\bar{x}_1^{\sigma_1}, \bar{x}_2^{\sigma_2}, \dots, \bar{x}_n^{\sigma_n})$ and an arbitrary logic function of m variables

$f(x_1, x_2, \dots, x_m)$ may be represented by the following superposition of operators N_n :

$$f(x_1, x_2, \dots, x_m) = N_k [N_{m_1}^1(\bar{x}_{11}^{\sigma_{11}}, \bar{x}_{11}^{\sigma_{11}}, \dots, \bar{x}_{m_1}^{\sigma_{m_1}}), \dots, N_{m_j}^j(\bar{x}_{1j}^{\sigma_{1j}}, \bar{x}_{1j}^{\sigma_{1j}}, \dots, \bar{x}_{m_j}^{\sigma_{m_j}}), \dots, N_{m_k}^k(\bar{x}_{1k}^{\sigma_{1k}}, \bar{x}_{1k}^{\sigma_{1k}}, \dots, \bar{x}_{m_k}^{\sigma_{m_k}})]. \quad (1)$$

where $j = 1, 2, \dots, k$ and m_j is the number of variables at the input of the j -th element $N_{m_j}^j$. If signals corresponding to all the logic elements and their inversions are employed, relation (1) is realized by a two-stage circuit of N_m operators (Fig. 1). Each expression

$N_{m_j}^j(\bar{x}_{1j}^{\sigma_{1j}}, \bar{x}_{1j}^{\sigma_{1j}}, \dots, \bar{x}_{m_j}^{\sigma_{m_j}})$ corresponds to the ensemble of logic variables $\alpha_j = \{x_1, x_2, \dots, x_m\}_j$ for which $N_{m_j}^j = 1$ when $j = 1, 2, \dots, k$ and $N_{m_r}^r = 0$ when $r \neq j$. During testing

of the ensemble α_j of the circuit shown in Fig. 1 all the input variables of the first-stage input element with the subscript j have zero values while for all the other first-stage elements at least one of the variables must have the value of unity. The process

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ACC NR: AP6024867

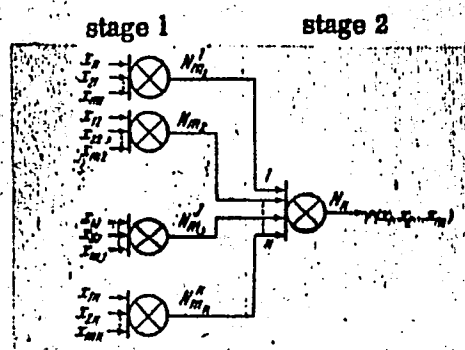


Fig. 1.

of construction of such tests is closely associated with the minimization of logic circuits and may be utilized to detect redundant elements. Orig. art. has: 12 formulas, 6 figures, 3 tables.

SUB CODE: 09, 12/ SUHM DATE: 16Sep64/ ORIG REF: 005

Card 3/3

AP7002991

(A)

SOURCE CODE: UR/0413/66/000/024/0089/0090

INVENTORS: Al'tshul', S. D.; Afinogenov, L. P.; Buyanov, B. B.; Volkov, A. F.; Gil'man, G. I.; Domanitskiy, S. M.; Pavlov, Ye. N.; Rog, G. V.; Trapeznikov, V. A.

ORG: none

TITLE: Controlling logic machine. Class 42, No. 189629

SOURCE: Izobreteniya, promyshlennyye obrazny, tovarnyye znaki, no. 24, 1966, 89-90

TOPIC TAGS: logic circuit, computer logic

ABSTRACT: This Author Certificate presents a controlling logic machine containing input and output devices, a storage device, a control device, a logic device consisting of "NOT", "AND", and "OR" circuits, input logic units, triggers, and delay lines (see Fig. 1). To achieve group processing of information between the elements

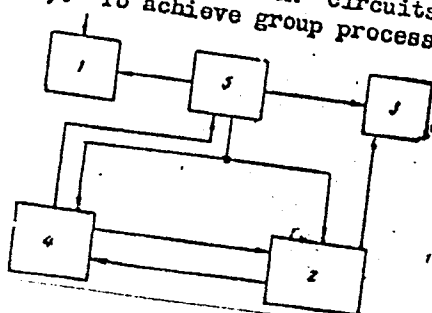


Fig. 1. 1 - input device;
2 - logic device; 3 - output
device; 4 - storage device;
5 - control device

Card 1/2

PANSHIN, B.I.; POPOV, V.A.; FEDORENKO, A.G.; BUYANOV, G.I.; YEFIMOVA, V.S.;
GORSKIY, K.P.

Mechanical properties of plastic foams determining their efficiency
as reinforcing fillers; efficiency of plastic foams in structures under
static load conditions. Plast.massy no.12:31-35 '63. (MIRA 17:2)

ACCESSION NR: AP4012191

S/0191/64/000/002/0039/0043

AUTHORS: Panshin, B. I.; Popov, V. A.; Fedorenko, A. G.; Buyanov, G. I.; Yefimova, V. S.; Gorskiy, K. P.

TITLE: Mechanical properties of foam plastics which determine their efficiency as pressure fillers; 2. Efficiency of foam plastics in constructions during cyclic load operation

SOURCE: Plasticheskiye massy*, no. 2, 1964, 39-43

TOPIC TAGS: pressure filler, mechanical properties, foam plastic, construction, cyclic load, internal friction, fatigue strength, vibration damping, noise control, vibration insulation, glass textolite

ABSTRACT: The vibration proof and internal friction characteristics play an important role in the use of foam plastic in constructions which were subjected to the effect of variable loads. The first group of characteristics is particularly important during use of foam plastic as a pressure filler, for example in three-layered panels and films. The characteristics of the second group determine the fatigue strength during damping of vibration of construction elements.

Card 1/82

ACCESSION NR: AP4012191

Good damping properties are also needed to provide noise control and vibration insulation for apparatus and conveying devices where accuracy and comfort are important factors. It was established experimentally that the heat aging factor of foam plastic affects the vibrational stability of three-layered panels (with glass textolite facings) at increased temperatures (up to 300C). It is not the fatigue of foam plastic which is limiting at high temperatures during cyclic deformation but the change of its stability due to thermal destruction. In comparing amounts of logarithmic decrement of oscillation of foam plastic of various brands, the effect of the chemical nature of the original polymers was established. Formulas are given and experimental data is obtained for coefficients of mechanical losses of panels of a different construction with foam plastic filler. Comparison between foam plastics and vibration absorption materials of the "isol" type showed the competitive nature of foam plastic with respect to weight and damping properties. Orig. art. has: 5 Figures, 7 Equations.

ASSOCIATION: None

Card 2/4 2